IN THE TITLE:

Please replace the title to read as follows:

-- "A MEDIUM CATEGORY DETERMINATION METHOD FOR A MULTI-FUNCTION PERIPHERAL" --

IN THE SPECIFICATION:

Page 1, line 3 through line 5, please amend the current paragraph as follows:

The invention relates to a category determination method for printable media (papers), especially a determination method <u>for a multi-function peripheral</u> that enlarges the luminance differences of three primary colors between various media by executing a specific algorithm.

Page 2, line 19 through line 24, please amend the current paragraph as follows:

In view of the problems of the prior methods, the proposed determination method <u>for a multi-function peripheral, used for determining the category of a medium,</u> consists of the following steps. First, the unknown medium is scanned <u>by a scan module of a multi-function peripheral</u> in order to obtain the luminance values of the three primary colors, and the standard deviations of these luminance values are also calculated. Then, the luminance values and the corresponding standard deviations are compared with those of known media by a difference enhancement algorithm. Finally, the unknown medium is determined <u>by a medium category determination execution module</u> as the category of one of the known medium.

Page 3, line 24, through Page 4, line 3, please amend the current paragraph as follows:

First, <u>provide a scan module to scan</u> ~~Scan~~ several blocks on various known media <u>by the scan module</u> (Step 110). Blocks on several known media are scanned to obtain the test luminance values of the three primary colors which consist of the test luminance values of red, green and blue. Possible scan modules to scan media include a charge-coupled device (CCD), contact image sensor (CIS), and so on. The known media in this example includes plain paper, photo-paper, coated-paper and transparencies.

Page 4, line 22, through line 27, please amend the current paragraph as follows:

Next, we use the following example to describe how to apply the proposed medium category determination method in an MFP. As shown in FIG. 2, scan the unknown medium to obtain the luminance values of three the primary colors <u>by the scan module </u>(Step 210). When an unknown medium is placed in the input panel of the MFP, the scan module starts scanning the unknown medium to obtain the luminance values of the three primary colors. The luminance values of the three primary colors consist of the luminance values of red, greed and blue. The scanned area is predetermined.

Page 5, line 20 through line 22, please amend the current paragraph as follows:

Finally, <u>provide a medium category determination execution module to </u>determine the category of the unknown medium as the category of the known medium with the smallest difference Ci (Step 240). The C_i value for each known medium is checked, and the unknown medium is determined as the category of the known medium with the smallest C_i value.